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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/712,975	
	Filing Date	November 13, 2003	
	First Named Inventor	Ivan Osorio	
	Group Art Unit	3762	
	Examiner Name	Not assigned	
Total Number of Pages in This Submission		Attorney Docket Number	011738.00144

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Preliminary Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input checked="" type="checkbox"/> Form PTO/SB/08A and B (without references) <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Express Mail Certificate (1 page) Return Receipt Postcard
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Firm or Individual name	Binal J. Patel
Signature	
Date	April 30, 2004

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(Attorney Docket No. 11738.00144)

In the Application of:)
Ivan Osorio, et al.)
Serial No. 10/712,975) Group Art Unit: 3762
Filed: November 13, 2003) Examiner: Not assigned
For: VAGAL NERVE STIMULATION TECHNIQUES)
FOR TREATMENT OF EPILEPTIC SEIZURES)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. 1.97 and 1.98, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. 1.56. Copies of the references cited below can be found in U.S. Patent No. 6,341,236, issued January 22, 2002 (Serial No. 09/302,516). The references are also listed on the enclosed and completed PTO Form 1449.

REFERENCES

U.S. Patent Documents

1. U.S. Patent No. 4,628,942, issued December 16, 1986;
2. U.S. Patent No. 4,649,936, issued March 17, 1987;
3. U.S. Patent No. 4,702,254, issued October 27, 1987;
4. U.S. Patent No. 4,867,164, issued September 19, 1989;
5. U.S. Patent No. 5,025,807, issued June 25, 1991;
6. U.S. Patent No. 5,052,388, issued October 1, 1991;
7. U.S. Patent No. 5,330,508, issued July 19, 1994;
8. U.S. Patent No. 5,562,711, issued October 8, 1996;
9. U.S. Patent No. 5,713,923, issued February 3, 1998;
10. U.S. Patent No. 5,928,272, issued July 27, 1999; and
11. U.S. Patent No. 5,995,868, issued November 30, 1999.

Other Prior Art


1. Handforth et al., "Vagus Nerve Stimulation Therapy for Partial Onset Seizures: A Randomized Active Control Trial," J. Neurology, vol. 5, pp. 48-55 (1998);
2. Han et al., "Probably Mechanisms of Action of Vagus Nerve Stimulation in Humans with Epilepsy: Is the Heart the Window into the Brain?" AES Processing, p.83 (1997);

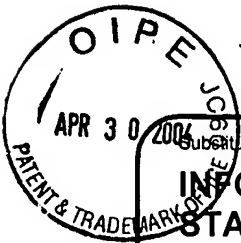
3. Frei et al., "Effect of Vagal Stimulation on Human ECG," Abstract from the Annual Meeting of the American Epilepsy Society, vol. 39, Supp. 6 (1998);
4. Salinsky et al., "Vagus Nerve Stimulation Has No Effect on Awake EEG Rhythms in Humans," J. Epilepsia, vol. 34(2), pp. 229-304 (1993);
5. Michael H. Chase et al., "Afferent Vagal Stimulation neurographic Correlates if Induced EEG Synchronization and Desynchronization," Brain Research pp. 236-249 (1967);
6. Chase et al., "Cortical and Subcortical Patterns of Response to Afferent Vagal Stimulation," Experimental Neurology, vol. 16, pp. 36-49 (1966);
7. Jalife J. Anzelecitch C., "Phase Resetting and Annihilation of Pacemaker Activity in Cardiac Tissue," Science 206:695-697 (1979);
8. Windfree AT., "Sudden Cardian Death: A Problem in Topology," Sci Am, 248:144-161 (1983);
9. Ruda, Anti, "A Real-Time Microprocessor QRS Detector System with a 1-ms Timing Accuracy for the Measurement of Ambulatory HRV," IEEE Transactions on Biomedical Engineering, vol. 44, Nos. 3, pp. 159-167 (Mar. 1997);
10. Accornero et al., "Selective Activation of Peripheral Nerve Fibre Groups of Different Diameter by Triangular Shaped Pulses," J. Physiol., pp. 539-560 (1977);
11. Bures et al., "Electrophysiological Methods n Biological Research" Academic Press New York, London pp. 338-339 (3rd ed. 1967);
12. Jones et al., "Heart Rate Responses to Selective Stimulation of Cardiac Vagal C Fibers in Anaesthetized Cats, Rats and Rabbits," J. Physiol (London) 489.1:203-214 (1995);
13. Jalife J. Antzelevitch C., "Pacemaker Annihilation: Diagnostic and Therapeutic Implications," Am Heart J 100:128-130 (1980);
14. Frei et al., "Effects of Vagal Stimulation on Human EEG," AES Proceedings, p. 200 (1998);
15. Asconape et al., "Early Experience with Vagus Nerve Stimulation for the Treatment of Epilepsy; Cardiac Complications," AES Proceeding, p. 193 (1998); and
16. Mark V. Kamath, "Neurocardiac Responses to Vagoafferent Electrostimulation in Humans," PACE, vol. 15, Oct. (1992) p. 1581.

Respectfully submitted,

BANNER & WITCOFF, LTD

Dated: April 30, 2004

By: 
 Binal J. Patel
 Reg. No. 42,065



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	10/712,975
Filing Date	November 13, 2003
First Named Inventor	Ivan Osorio
Group Art Unit	3762
Examiner Name	Not assigned
Attorney Docket Number	11738.00144

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,628,942	12/16/1986	Sweeney et al.	
		US- 4,649,936	03/17/1987	Ungar et al.	
		US- 4,702,254	10/27/1987	Zabara	
		US- 4,867,164	09/19/1989	Zabara	
		US- 5,025,807	06/25/1991	Zabara	
		US- 5,052,388	10/01/1991	Sivula et al.	
		US- 5,330,508	07/19/1994	Gunderson	
		US- 5,562,711	10/08/1996	Yerich et al.	
		US- 5,713,923	02/03/1998	Ward et al.	
		US- 5,928,272	07/27/1999	Adkins et al.	
		US- 5,995,868	11/30/1999	Dorfmeister et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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Date
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 3

Complete if Known

Application Number	10/712,975
Filing Date	November 13, 2003
First Named Inventor	Ivan Osorio
Group Art Unit	3762
Examiner Name	Not assigned
Attorney Docket Number	11738.00144

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Handforth et al., "Vagus Nerve Stimulation Therapy for Partial Onset Seizures: A Randomized Active Control Trial," J. Neurology, vol. 5, pp. 48-55 (1998)	
		Han et al., "Probably Mechanisms of Action of Vagus Nerve Stimulation in Humans with Epilepsy: Is the Heart the Window into the Brain?" AES Processing, p.83 (1997)	
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		Michael H. Chase et al., "Afferent Vagal Stimulation neurographic Correlates if Induced EEG Synchronization and Desynchronization," Brain Research pp. 236-249 (1967)	
		Chase et al., "Cortical and Subcortical Patterns of Response to Afferent Vagal Stimulation," Experimental Neurology, vol. 16, pp. 36-49 (1966)	
		Jalife J. Anzeleitch C., "Phase Resetting and Annihilation of Pacemaker Activity in Cardiac Tissue," Science 206:695-697 (1979)	
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		Accornero et al., "Selective Activation of Peripheral Nerve Fibre Groups of Different Diameter by Triangular Shaped Pulses," J. Physiol., pp. 539-560 (1977)	
		Bures et al., "Electrophysiological Methods n Biological Research" Academic Press New York, London pp. 338-339 (3rd ed. 1967)	

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¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3 of 3

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Application Number	10/712,975
Filing Date	November 13, 2003
First Named Inventor	Ivan Osorio
Group Art Unit	3762
Examiner Name	Not assigned
Attorney Docket Number	11738.00144

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Jones et al., "Heart Rate Responses to Selective Stimulation of Cardiac Vagal C Fibers in Anaesthetized Cats, Rats and Rabbits," J. Physiol (London) 489.1:203-214 (1995)	
		Jalife J. Antzelevitch C., "Pacemaker Annihilation: Diagnostic and Therapeutic Implications," Am Heart J 100:128-130 (1980)	
		Frei et al., "Effects of Vagal Stimulation on Human EEG," AES Proceedings, p. 200 (1998)	
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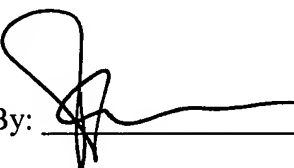


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By:  _____

Application of: Ivan Osorio, et al.

Application No.: 10/712,975

Filing Date: November 13, 2003

Title: Vagal Nerve Stimulation Techniques For Treatment Of Epileptic Seizures

Transmitted herewith are the following documents:

- ☒ Transmittal Form (1 page) in duplicate
- ☒ Information Disclosure Statement (2 pages)
- ☒ Form PTO/SB/08A and B (3 pages) without references
- ☒ Return Postcard

Attorney Case No.: 011738.00144